



New Member of DVP-EX2 Series

2nd Generation Temperature/Analog I/O PLC DVP30EX200R/T

**Integrated controller able to control
temperature and analog input**

- ▶ Adopts 32-bit CPU
- ▶ Built-in 16-bit 3 analog inputs/12-bit 1 analog output
- ▶ With built-in PID auto tuning function, it offers a complete analog control solution
- ▶ Provides 3 analog inputs for PT/Ni temperature input, precision of 0.1 degree can be readily achieved
- ▶ Suitable for the specific industries that require temperature and analog input control such as boiler industries and HVAC

Built-in Analog I/O in EX2 Model

Analog Input		Analog Output	
Channels	3	Channels	1
Resolution	16-bit	Resolution	12-bit
Spec.	-20~20mA or -10~10V	Spec.	0~20mA or -10~10V

Built-in Temperature Control Function

Sensor	PT100/PT1000	NI100/NI1000
Temperature Range	-200°C~800°C	-100°C~180°C
Value Range	-2000~8000	-1000~1800

Basic Type PLC DVP-EC3

**Applicable for sequence control and simple
RS-485/MODBUS communication**

- ▶ Built-in I/O: 10/14/16/20/24/30/32/40/48/60
- ▶ Program capacity: 4k steps
- ▶ COM port: Built-in RS-232 & RS-485 ports (10/14-point models do not support RS-485), compatible with MODBUS ASCII/RTU protocol
- ▶ Supports 2 points (Y0, Y1) of independent high-speed (max. 10kHz) pulse output

Built-in High-Speed Counters

1-phase 1 input		1-phase 2 inputs		2-phase 2 inputs	
Counters	Bandwidth	Counters	Bandwidth	Counters	Bandwidth
2/2	20kHz/10kHz	1	20kHz	1	4kHz

ES2 Series PLC and Extension Modules

The Most Cost-Effective Solution for Sequential Control!

DVP-ES2/EX2

- ▶ 100kHz pulse output
- ▶ Analog input/output



reddot design award
winner 2010



DVP-ES2

Model name	Specifications
DVP16ES200R	⎓ 8 8 R
DVP16ES200T	⎓ 8 8 T
DVP24ES200R	⎓ 16 8 R
DVP24ES200T	⎓ 16 8 T
DVP32ES200R	⎓ 16 16 R
DVP32ES200T	⎓ 16 16 T
DVP32ES211T	⎓ 16 16 T
DVP32ES200RC	⎓ 16 16 R
DVP32ES200TC	⎓ 16 16 T
DVP40ES200R	⎓ 24 16 R
DVP40ES200T	⎓ 24 16 T
DVP60ES200R	⎓ 36 24 R
DVP60ES200T	⎓ 36 24 T

⎓ : AC power supply ↻ : Inputs T : Transistor output
 ⎓ : DC power supply ↻ : Outputs R : Relay output

DVP-EX2

Model name	Specifications
DVP20EX200R	⎓ 6 6 R 4AI/2AO
DVP20EX200T	⎓ 6 6 T 4AI/2AO
DVP30EX200R	⎓ 16 10 R 3AI/1AO
DVP30EX200T	⎓ 16 10 T 3AI/1AO

⎓ : AC power supply ↻ : Inputs T : Transistor output
 ⎓ : DC power supply ↻ : Outputs R : Relay output

Digital I/O Modules

Input Point Extension

DVP08XM211N
DVP16XM211N



Output Point Extension

DVP08XN211R/T
DVP16XN211R/T
DVP24XN200R/T



Input/Output Point Extension

DVP08XP211R/T
DVP16XP211R/T
DVP24XP200R/T
DVP32XP200R/T



Analog I/O Modules

Input Point Extension

DVP04AD-E2



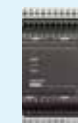
Output Point Extension

DVP04DA-E2
DVP02DA-E2



Input/Output Point Extension

DVP06XA-E2



Temperature

Measurement Modules

DVP04PT-E2



DVP04TC-E2



Resolver Modules

DVP10RC-E2^{*1}



ES2 Series Extension Cable Modules

DVPAEXT01-E2



*1. Contact your sales representative for the official launch date of the DVP10RC-E2 module.

EC3 Series PLC

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
EC3 series standard PLC	100~240VAC	Transistor	12	8	DVP20EC00T3	 
	100~240VAC	Relay	12	12	DVP24EC00R3	
	100~240VAC	Transistor	12	12	DVP24EC00T3	
	100~240VAC	Relay	18	12	DVP30EC00R3	
	100~240VAC	Transistor	18	12	DVP30EC00T3	
	100~240VAC	Relay	16	16	DVP32EC00R3	
	100~240VAC	Transistor	16	16	DVP32EC00T3	
	100~240VAC	Relay	24	16	DVP40EC00R3	
	100~240VAC	Transistor	24	16	DVP40EC00T3	
	100~240VAC	Relay	28	20	DVP48EC00R3	
	100~240VAC	Transistor	28	20	DVP48EC00T3	
	100~240VAC	Relay	36	24	DVP60EC00R3	
	100~240VAC	Transistor	36	24	DVP60EC00T3	
Fastest execution time of basic instructions		3.8μs	Execution time of MOV instruction			5.04μs

ES2/EX2 Series PLC

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
ES2 series standard PLC	100~240VAC	Relay	8	8	DVP16ES200R	
	100~240VAC	Transistor	8	8	DVP16ES200T	
	100~240VAC	Relay	16	8	DVP24ES200R	
	100~240VAC	Transistor	16	8	DVP24ES200T	
	100~240VAC	Relay	16	16	DVP32ES200R	
	100~240VAC	Transistor	16	16	DVP32ES200T	
	240VAC	Relay	16	16	DVP32ES211T	
	100~240VAC	Transistor	24	16	DVP40ES200R	
	100~240VAC	Relay	24	16	DVP40ES200T	
	100~240VAC	Transistor	36	24	DVP60ES200R	
ES2 series built-in CANopen PLC	100~240VAC	Relay	36	24	DVP60ES200T	
	100~240VAC	Transistor	36	24	DVP32ES200RC	
EX2 series analog PLC	100~240VAC	Relay	8	6	DVP20EX200R	
		Analog	4	2		
	100~240VAC	Transistor	8	6	DVP20EX200T	
		Analog	4	2		
EX2 series temperature/ analog PLC	100~240VAC	Relay	16	10	DVP30EX200R	
		Analog	3	1		
	100~240VAC	Transistor	16	10	DVP30EX200T	
		Analog	3	1		
Fastest execution time of basic instructions		0.35μs	Execution time of MOV instruction			3.4μs

ES2/EX2 Series Digital I/O Module (AC power supply)

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
ES2/EX2 digital module	100~240VAC	Relay	-	24	DVP24XN200R	 
	100~240VAC	Transistor	-	24	DVP24XN200T	
	100~240VAC	Relay	16	8	DVP24XP200R	
	100~240VAC	Transistor	16	8	DVP24XP200T	
	100~240VAC	Relay	16	16	DVP32XP200R	
	100~240VAC	Transistor	16	16	DVP32XP200T	